

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/559,649  
Source: IFWO  
Date Processed by STIC: 05/11/2006

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/559,649

TIME: 11:03:20

Input Set : A:\3240-109.txt

Output Set: N:\CRF4\05112006\J559649.raw

```

3 <110> APPLICANT: Jeyaseelan, Kandiah
4     Armugam, Arunmozhiarasi
5     Chai, Siaw Ching
6     Ramkishen, Prabhakaran Nair
7     Gopalakrish-Nakone, Ponnampalam
8     Tan, Kwong Huat, Benny
10 <120> TITLE OF INVENTION: Cholesterol Biosynthesis Pathway Modulators and Uses Thereof
12 <130> FILE REFERENCE: 3240-109
14 <140> CURRENT APPLICATION NUMBER: 10/559,649
15 <141> CURRENT FILING DATE: 2005-12-05
17 <150> PRIOR APPLICATION NUMBER: PCT/SG2004/000168
18 <151> PRIOR FILING DATE: 2004-06-04
20 <150> PRIOR APPLICATION NUMBER: 60/476,208
21 <151> PRIOR FILING DATE: 2003-06-05
23 <160> NUMBER OF SEQ ID NOS: 18
25 <170> SOFTWARE: PatentIn version 3.3
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 335
29 <212> TYPE: DNA
30 <213> ORGANISM: Buthus martensii Karsch
32 <400> SEQUENCE: 1
33 ggtacatttc taaaaaaagt tatggtgaaa atgcaagtta ttttcattgc tttcatcgct      60
35 gtaatagcat gtagcatggt atatggagat agtctttccc cttggaatga aggcgatacg      120
37 tattacggtt gccagagaca aacggatgaa ttctgtaata aaatttgtaa gctgcactta      180
39 gcaagcgggtg gaagctgtca gcaaccgcgt ctttttgtga aattatgcac atgccaaagg      240
41 attgattacg acaacagttt ctttttttga gcattggaaa aacaatgtcc taaattaaga      300
43 gagtagccga aagatttgca tttatcaatg ctatt                                     335
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 94
48 <212> TYPE: PRT
49 <213> ORGANISM: Buthus martensii Karsch
51 <400> SEQUENCE: 2
53 Met Val Lys Met Gln Val Ile Phe Ile Ala Phe Ile Ala Val Ile Ala
54 1          5          10          15
57 Cys Ser Met Val Tyr Gly Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp
58          20          25          30
61 Thr Tyr Tyr Gly Cys Gln Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile
62          35          40          45
65 Cys Lys Leu His Leu Ala Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro
66          50          55          60
69 Phe Val Lys Leu Cys Thr Cys Gln Gly Ile Asp Tyr Asp Asn Ser Phe
70 65          70          75          80
73 Phe Phe Gly Ala Leu Glu Lys Gln Cys Pro Lys Leu Arg Glu

```

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74                               85                               90
77 <210> SEQ ID NO: 3
78 <211> LENGTH: 72
79 <212> TYPE: PRT
80 <213> ORGANISM: Buthus martensii Karsch
82 <400> SEQUENCE: 3
84 Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln
85 1                               5                               10                               15
88 Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu His Leu Ala
89                               20                               25                               30
92 Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro Phe Val Lys Leu Cys Thr
93                               35                               40                               45
96 Cys Gln Gly Ile Asp Tyr Asp Asn Ser Phe Phe Phe Gly Ala Leu Glu
97                               50                               55                               60
100 Lys Gln Cys Pro Lys Leu Arg Glu
101 65                               70
104 <210> SEQ ID NO: 4
105 <211> LENGTH: 30
106 <212> TYPE: PRT
107 <213> ORGANISM: Buthus martensii Karsch
109 <400> SEQUENCE: 4
111 Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln
112 1                               5                               10                               15
115 Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu His
116                               20                               25                               30
119 <210> SEQ ID NO: 5
120 <211> LENGTH: 14
121 <212> TYPE: PRT
122 <213> ORGANISM: Buthus martensii Karsch
124 <400> SEQUENCE: 5
126 Gln Pro Ala Pro Phe Val Lys Leu Cys Thr Cys Gln Gly Ile
127 1                               5                               10
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 19
132 <212> TYPE: PRT
133 <213> ORGANISM: Buthus martensii Karsch
135 <400> SEQUENCE: 6
137 Lys Leu His Leu Ala Ser Gly Gly Ser Cys Gln Gln Pro Ala Pro Phe
138 1                               5                               10                               15
141 Val Lys Leu
145 <210> SEQ ID NO: 7
146 <211> LENGTH: 22
147 <212> TYPE: PRT
148 <213> ORGANISM: Buthus martensii Karsch
150 <400> SEQUENCE: 7
152 Pro Ala Pro Phe Val Lys Leu Cys Thr Cys Gln Gly Ile Asp Tyr Asp
153 1                               5                               10                               15
156 Asn Ser Phe Phe Phe Gly
157                               20

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160 <210> SEQ ID NO: 8
161 <211> LENGTH: 20
162 <212> TYPE: PRT
163 <213> ORGANISM: Buthus martensii Karsch
165 <400> SEQUENCE: 8
167 Gln Gly Ile Asp Tyr Asp Asn Ser Phe Phe Phe Gly Ala Leu Glu Lys
168 1 5 10 15
171 Gln Cys Pro Lys
172 20
175 <210> SEQ ID NO: 9
176 <211> LENGTH: 21
177 <212> TYPE: PRT
178 <213> ORGANISM: Buthus martensii Karsch
180 <400> SEQUENCE: 9
182 Gly Cys Gln Arg Gln Thr Asp Glu Phe Cys Asn Lys Ile Cys Lys Leu
183 1 5 10 15
186 His Leu Ala Ser Gly
187 20
190 <210> SEQ ID NO: 10
191 <211> LENGTH: 14
192 <212> TYPE: PRT
193 <213> ORGANISM: Buthus martensii Karsch
195 <400> SEQUENCE: 10
197 Asp Ser Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly
198 1 5 10
201 <210> SEQ ID NO: 11
202 <211> LENGTH: 15
203 <212> TYPE: PRT
204 <213> ORGANISM: Buthus martensii Karsch
206 <400> SEQUENCE: 11
208 Leu Ser Pro Trp Asn Glu Gly Asp Thr Tyr Tyr Gly Cys Gln Arg
209 1 5 10 15
212 <210> SEQ ID NO: 12
213 <211> LENGTH: 7
214 <212> TYPE: PRT
215 <213> ORGANISM: Buthus martensii Karsch
217 <400> SEQUENCE: 12
219 Ser Pro Trp Asn Glu Gly Asp
220 1 5
223 <210> SEQ ID NO: 13
224 <211> LENGTH: 6
225 <212> TYPE: PRT
226 <213> ORGANISM: Buthus martensii Karsch
228 <400> SEQUENCE: 13
230 Gly Asp Thr Tyr Tyr Gly
231 1 5
234 <210> SEQ ID NO: 14
235 <211> LENGTH: 23
236 <212> TYPE: DNA

```

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```

237 <213> ORGANISM: Buthus martensii Karsch
240 <220> FEATURE:
241 <221> NAME/KEY: misc_feature
242 <222> LOCATION: (1)..(23)
243 <223> OTHER INFORMATION: y = t or c
245 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
247 <222> LOCATION: (1)..(23)
248 <223> OTHER INFORMATION: n = a, c, g or t
250 <400> SEQUENCE: 14
W--> 251 gayagycnt cncctggaa yga 23
254 <210> SEQ ID NO: 15
255 <211> LENGTH: 22
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial
259 <220> FEATURE:
260 <223> OTHER INFORMATION: oligonucleotide primer with homology to universal adaptor
AP1
261      wich is ligated onto each end of Buthus martensii Karsch
263 <400> SEQUENCE: 15
264 gtaatacgac tcactatagg gc 22
267 <210> SEQ ID NO: 16
268 <211> LENGTH: 21
269 <212> TYPE: DNA
270 <213> ORGANISM: Buthus martensii Karsch
272 <400> SEQUENCE: 16
273 attccaagg gaaagactat c 21
276 <210> SEQ ID NO: 17
277 <211> LENGTH: 24
278 <212> TYPE: DNA
279 <213> ORGANISM: Buthus martensii Karsch
281 <400> SEQUENCE: 17
282 ggtacatttc taaaaaaagt tatg 24
285 <210> SEQ ID NO: 18
286 <211> LENGTH: 24
287 <212> TYPE: DNA
288 <213> ORGANISM: Buthus martensii Karsch
290 <400> SEQUENCE: 18
291 aatagcattg attaaatgca aatc 24

```

## RAW SEQUENCE LISTING ERROR SUMMARY

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; N Pos. 9,12

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:15

**VERIFICATION SUMMARY**

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Input Set : A:\3240-109.txt

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L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0